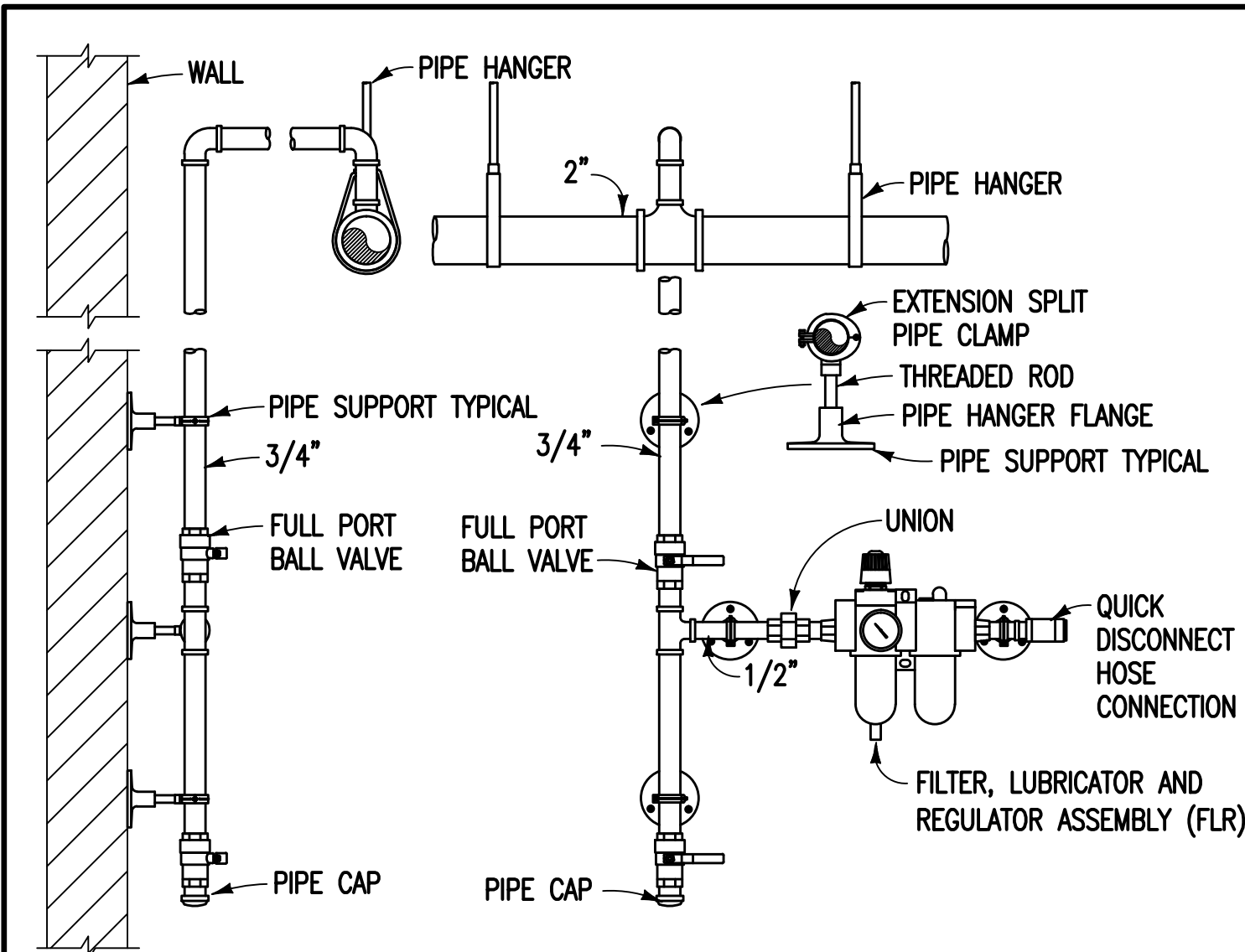
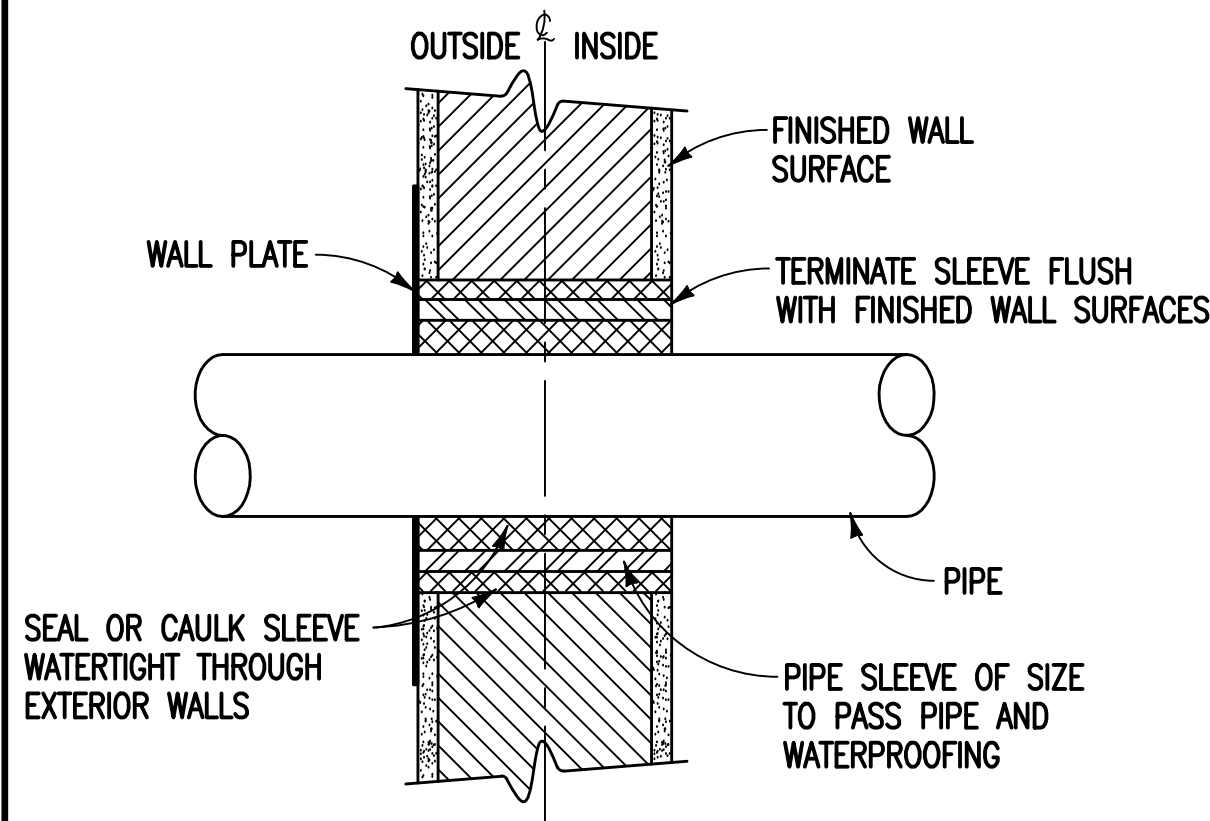


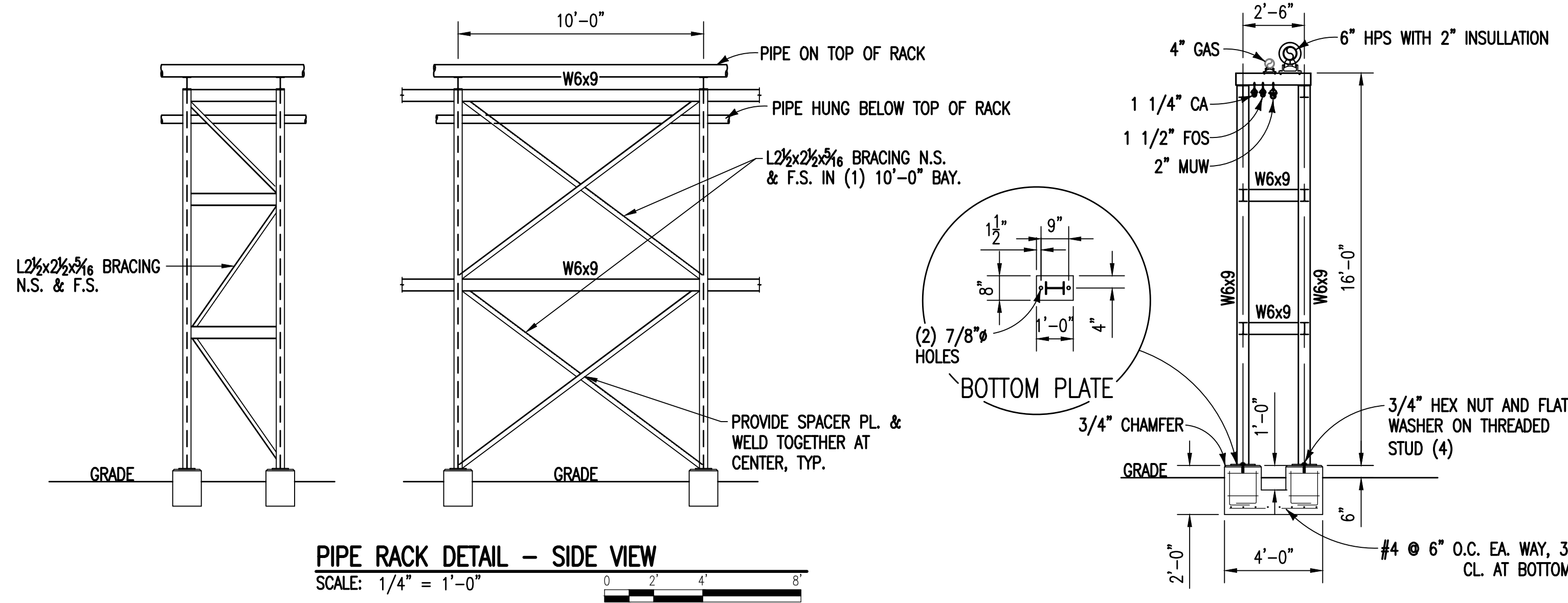
three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



COMPRESSED AIR POINT OF USE DETAIL
SCALE: NONE

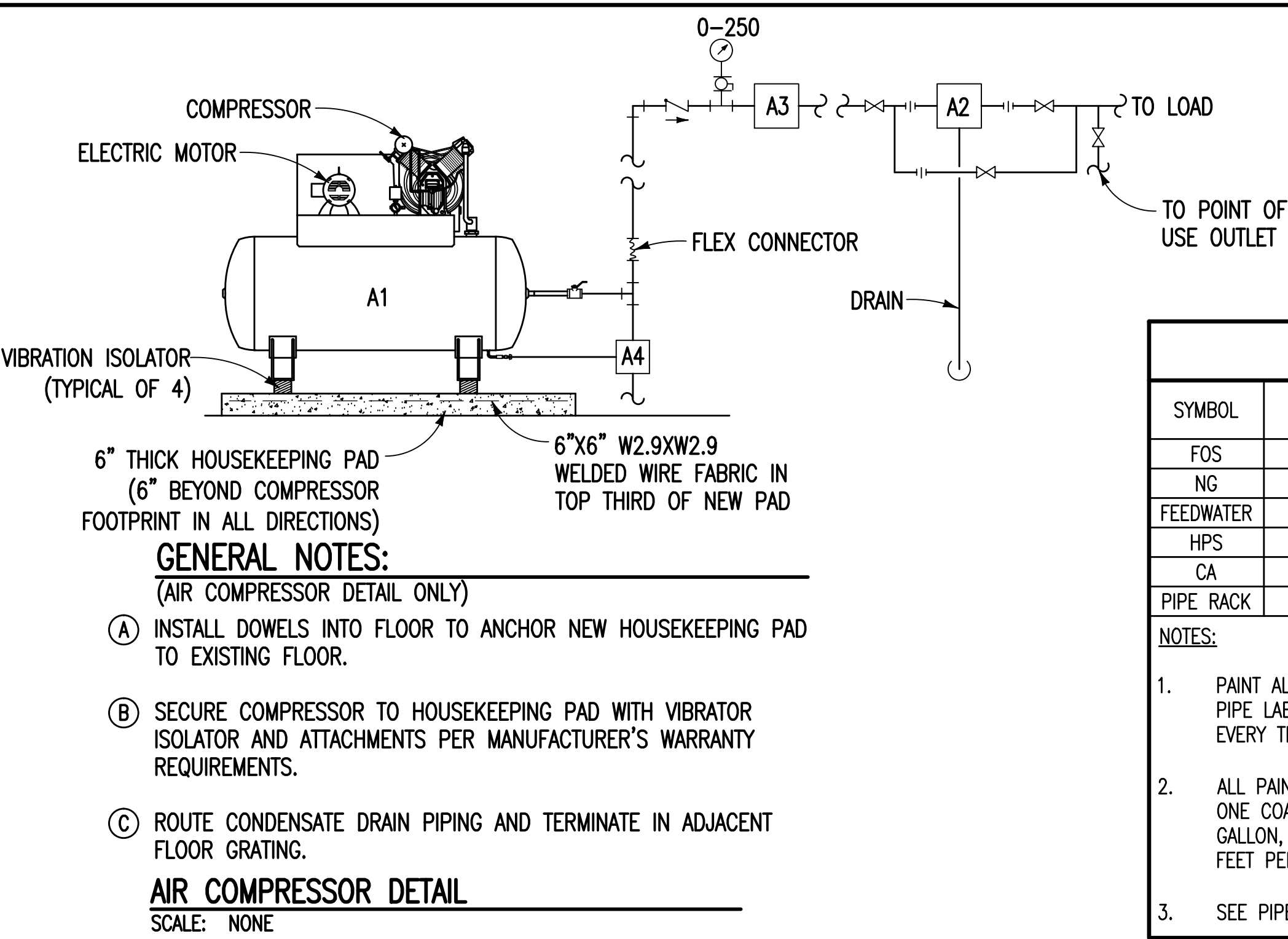


PIPE THRU EXTERIOR WALL DETAIL
SCALE: NONE



PIPE RACK DETAIL - SIDE VIEW
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
(THIS DETAIL ONLY)
1. SHOP FABRICATE PIPE SUPPORT BENTS AS COMPLETE ASSEMBLIES FOR SHIPMENT TO SITE. PROVIDE SOLID 3/8" FILLET WELDS FOR ALL CONNECTIONS, U.N.O.
2. FABRICATE ALL OTHER BEAMS USING SHOP WELDED / FIELD BOLTED CLIP ANGLE CONNECTIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, SHOWING CONNECTION DETAILS, FOR APPROVAL PRIOR TO FABRICATION.
3. PROVIDE ALL VERTICAL AND HORIZONTAL BRACING MEMBERS WITH CONNECTIONS FOR FIELD BOLTING.
4. ALL STEEL WORK SHALL CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION, LATEST ED.
5. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1.1, LATEST ED.
6. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 (36 KSI YIELD), U.N.O.
7. WIDE FLANGE MEMBERS SHALL CONFORM TO ASTM A992, GR. 50 (50 KSI YIELD).
8. ALL WELD ELECTRODES SHALL BE E70XX; ALL BOLTS SHALL BE A325.
9. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GR. 36.
10. CLEAN AND PREPARE ALL STRUCTURAL STEEL PER SSPC SP-6 & PRIME IN ACCORDANCE WITH VA SPECIFICATIONS. PROVIDE TOP-COAT TO MATCH EXISTING PIPE SUPPORTS.

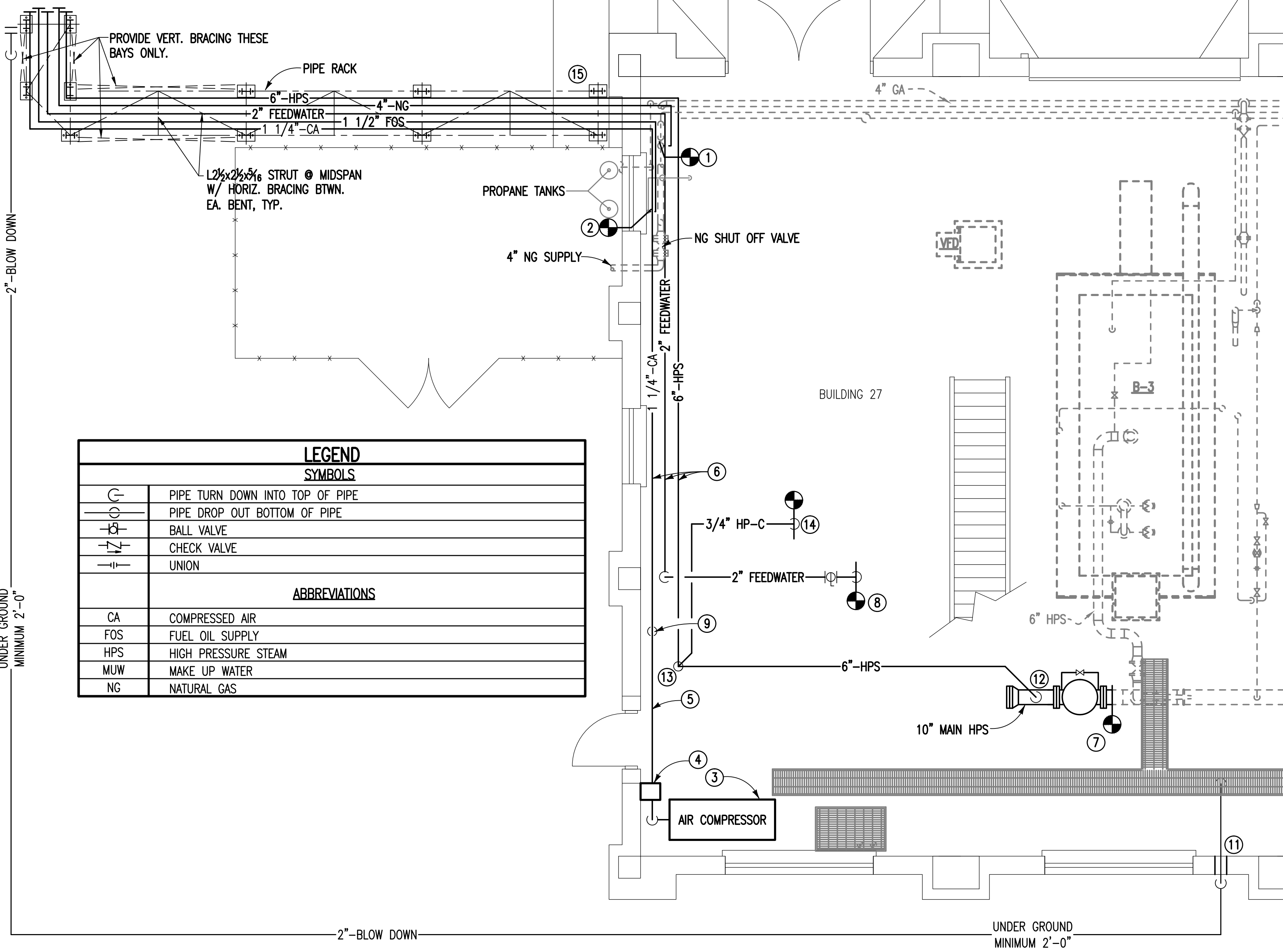
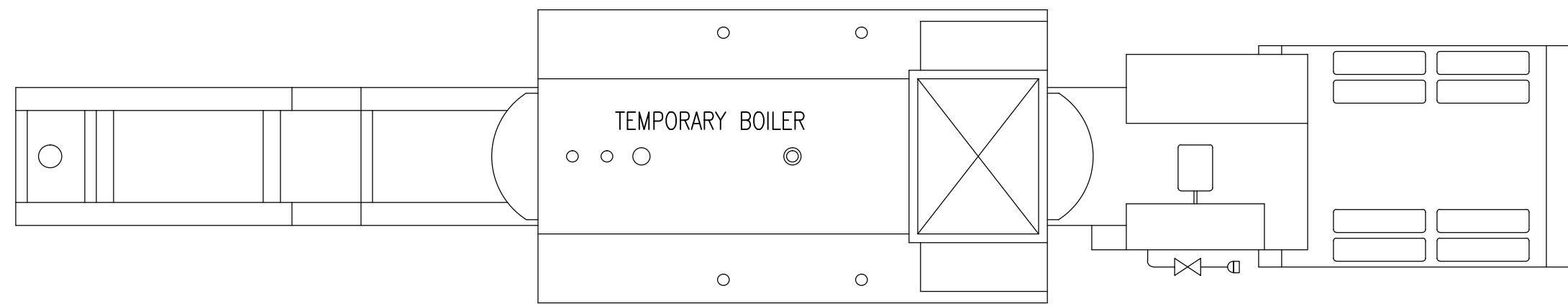


AIR COMPRESSOR SCHEDULE				
SYMBOL	MAKE	TYPE	MODEL	NOTES
A1	CHAMPION	HORIZONTAL UNIT	HRA20-25	1:2
A2	BEKO	DRYER	RA125	2:3
A3	WILKERSON	OIL/FILTER	M35-0B-FS0	2:
A4	WILKERSON	DRAIN	XB3-04-000	2:
A5	WILKERSON	FRL	C16-C4-E00	2:

NOTES:
1. 80 CFM @125 PSIG.
2. SUBSTITUTION ACCEPTABLE WITH APPROVALS.
3. 115V-60,1Ø

PAINT SCHEDULE			
SYMBOL	FINISHED COLOR	LABEL LEGEND	NOTES
FOS	GREEN	FUEL OIL	1:2
NG	BLUE	NATURAL GAS	1:2
FEEDWATER	YELLOW	BOILER FEED	2:
HPS	YELLOW	STEAM	1:2
CA	YELLOW	COMPRESSED AIR	1:2
PIPE RACK	GREY	-	3:

NOTES:
1. PAINT ALL NEW PIPING PER SCHEDULE, LABEL ALL PIPING WITH PLASTIC WRAP AROUND PIPE LABELS WITH TYPE FLUID CARRIED AND DIRECTION OF FLOW. LABELS SHALL BE EVERY TEN FEET.
2. ALL PAINTING SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS. SURFACES PAINTED: ONE COAT GRAY ALKYD FAST DRYING PRIMER, SPREAD RATE 425 SQUARE FEET PER GALLON, 2.0 MILS DFT. TWO COATS ALKYD GLOSS FINISH, SPREAD RATE 417 SQUARE FEET PER GALLON, 2.0 MILS PER COAT DFT.
3. SEE PIPE RACK DETAIL'S GENERAL NOTES FOR PRIMING AND PAINTING STEEL.



LEGEND	
SYMBOLS	
	PIPE TURN DOWN INTO TOP OF PIPE
	PIPE DROP OUT BOTTOM OF PIPE
	BALL VALVE
	CHECK VALVE
	UNION
ABBREVIATIONS	
CA	COMPRESSED AIR
FOS	FUEL OIL SUPPLY
HPS	HIGH PRESSURE STEAM
MUW	MAKE UP WATER
NG	NATURAL GAS

BUILDING 27 FLOOR PLAN
SCALE: 1/4" = 1'-0"

 APPLIED ENGINEERING SOLUTIONS 440 Martin Luther King, Jr. Blvd., Suite 401 Macon, Georgia 31201 (478) 314-1270 www.aes-pe.com		 KEY PLAN SCALE: NONE		 BUILDING 27 ENLARGED FLOOR PLAN FINAL SUBMITTAL		Project Title STEAM AND CONDENSATE PIPING SYSTEM STUDY Building Number 27 Location CARL VINSON VA MEDICAL CENTER DUBLIN, GEORGIA		Date JUNE 22, 2012 Project No. 557-10-109 Drawing No. 27-G-001 Dwg. 85 Of 87
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